

PATENT/Docket No. PC9868D

Serial No. 10/825,406

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RCE in response to 06/14/05 Advisory Action following 04/01/05 Final OA

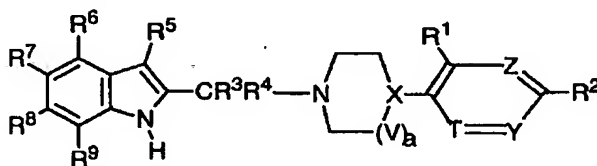
Amendment to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

Claims 1-27. (Cancelled)

28. (New) A compound of the formula



or the pharmaceutically acceptable salt thereof;

wherein a is 1;

V is CHR¹⁰ wherein R¹⁰ is hydrogen or (C₁-C₆)alkyl;

T is nitrogen or CH;

X is nitrogen;

Y and Z are each independently nitrogen or CR¹², wherein R¹² is hydrogen, chloro, bromo, trifluoromethyl, trifluoromethoxy, cyano, (C₁-C₆)alkoxy or (C₁-C₆)alkyl, provided that at least one of T, Y, and Z is nitrogen;

R¹ is hydrogen, fluoro, chloro, bromo, trifluoromethyl, trifluoromethoxy, cyano or (C₁-C₆)alkyl;

R², R⁶, R⁷, R⁸ and R⁹ are each independently selected from hydrogen, fluoro, chloro, bromo, trifluoromethyl, trifluoromethoxy, cyano, (C₁-C₆)alkoxy and (C₁-C₆)alkyl;

R³ and R⁴ are each independently hydrogen or (C₁-C₆)alkyl; and

R⁵ is hydrogen, (C₁-C₆)alkoxy, trifluoromethyl, cyano, (C₁-C₆)alkyl or R¹³CO- wherein R¹³ is amino, (C₁-C₆)alkylamino, ((C₁-C₆)alkyl)₂amino, (C₁-C₆)alkyl, (C₆-C₁₀)aryl.

29. (New) A compound according to claim 28, wherein Y and Z are each CR¹² wherein R¹² is hydrogen or fluoro.

30. (New) A compound according to claim 28, wherein R² is hydrogen, fluoro or chloro.

31. (New) A compound according to claim 28, wherein R³, R⁴ and R⁵ are hydrogen.

32. (New) A compound according to claim 28, wherein R⁷ is fluoro or chloro.

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33. (New) A compound according to claim 28, wherein R⁹ is fluoro, chloro, bromo or alkoxy.
34. (New) A compound according to claim 28, wherein X is nitrogen; Y and Z are each CR¹² wherein R¹² is hydrogen or fluoro; R² is hydrogen fluoro or chloro; R³, R⁴ and R⁵ are hydrogen; R⁷ is fluoro or chloro; and R⁷ is fluoro, chloro, bromo or alkoxy.
35. (New) A compound according to claim 28, wherein said compound is selected from the group consisting of:
- 5-Fluoro-2-(4-pyridin-2-yl-piperazin-1-ylmethyl)-1H-indole;
 - 2-[4-(6-Chloro-pyridazin-3-yl)-piperazin-1-ylmethyl]-5-fluoro-1H-indole;
 - 5-Fluoro-2-(4-[5'-fluoro]pyridin-2-yl-piperazin-1-ylmethyl)-1H-indole;
 - 2-(4-pyridin-2-yl-piperazin-1-ylmethyl)-1H-indole;
 - 5-Fluoro-2-(4-pyridin-2-yl-piperazin-1-ylmethyl)-1H-indole; and
 - 5-Fluoro-2-(4-pyrimidin-2-yl-piperazin-1-ylmethyl)-1H-indole.
36. (Currently amended) A method for treating a disorder of the dopamine system in a mammal, comprising administering to said mammal an amount of a D4 dopamine receptor selective compound according to claim 28, or a pharmaceutically acceptable salt thereof, ~~that is effective in treating such disorder~~ wherein the disorder is psychotic disorders selected from affective psychosis, schizophrenia, and schizoaffective disorders.
- 37-43. (Cancelled).

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